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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/804,407

03/19/2004

Shinsuke Ikishima

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20995

7590

05/11/2006

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EXAMINER

ZIRKER, DANIEL R

ART UNIT

PAPER NUMBER

1771

DATE MAILED: 05/11/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 10/804,407	Applicant(s) IKISHIMA ET AL.	
	Examiner Daniel Zirker	Art Unit 1771	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 March 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

2. Claims 1-26 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP Abst 2001232730 (or applicants' admissions concerning the reference beginning at page 2, line 21 of the specification) taken in view of both Nakamura and Bugajski et al, each cited as evidence of the state of the art. JP '730 discloses substantially an anticipation of at least applicants' broadly claimed genres of hard coat films having solvent resistance, together with applicants' nominal claimed method of making. JP '730 lacks a teaching of the claimed (meth)acrylic polymer having a hydroxyl value of 20 to 80, but newly cited Nakamura discloses (note particularly Col 2, lines 20-35, Col 4, lines 1-50, particularly lines 46-49, Col 5 lines 33-43, Preparation Examples 9 and 10) acrylic polymers suitable for use in coating compositions on desired substrates such as those applicants' contemplate, with the reference teaching that "when the hydroxyl value is less than 10, the crosslink density is low and the water resistance is hence poor, and when the hydroxyl value exceeds 300 the flexibility of the coating compositions is degraded". Accordingly, one of ordinary skill, desirous of obtaining a desired crosslink density and also forming desired flexible coatings would optimize the claimed hydroxyl range and thereby form the claimed genres of plastic films and accompanying method of formation thereof, with the specific genus of crosslinking agents believed both well known in the art. Note also that Bugajski et al cites the use of polyisocyanates as crosslinking agents in such acrylic based films (e.g. Col 3, line 54) for crosslinking, e.g. acrylic resins having no carboxylic acid functionality (Col 3, lines

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42-42). Additionally, the Examiner also believes that the choice of crosslinking agent is an obvious design parameter in the absence of unexpected results heretofore not shown on the record. With respect to the dependent claims 3,4,7,8,11,12,15,16,19,20,24 and 25 note that Bugajski et al teaches (Examples 1 and 2), as applicants admit (Response, page 8), the use of HALS compounds (Tinuvin 292) which the Examiner believes would also make applicants' claimed HALS-hybrid methacrylic or acrylic polymer to be an obvious design choice to one of ordinary skill, in the absence of unexpected results not heretofore shown on the record. Finally, the Examiner takes Official Notice that it is well known to use such formed plastic substrates as adhesive tape backings which are coated with a suitable layer of pressure sensitive adhesive (claims 9-16). Other parameters that are not either expressly or inherently disclosed are each believed to be obvious modifications to one of ordinary skill, in the absence of unexpected results.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Daniel Zirker whose telephone number is 571-272-1486. The examiner can normally be reached on Monday - Thursday from 8:30 to 6:00. The examiner can also be reached on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Terrel Morris, can be reached on 571 – 272 - 1478. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

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published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

Daniel Zirker
Primary Examiner
Art Unit 1771

A handwritten signature in black ink that reads "Daniel Zirker". The signature is written in a cursive, flowing style.